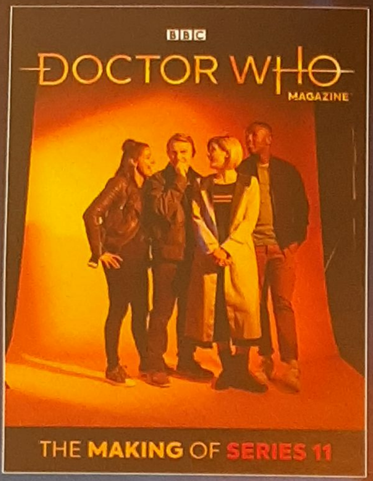
BBC

DOCTOR WHO MAGAZINE™

THE MAKING OF SERIES 11



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Doctor Who Magazine™ – The Making of Series 11 Published May 2019 by Panini UK Ltd and given away with **Doctor Who Magazine 539 – Deluxe Edition**. Not to be sold separately. Office of publication: Panini UK Ltd, Brockbourne House, 77 Mount Ephraim, Tunbridge Wells, Kent, TN4 8BS. Published every four weeks. BBC, DOCTOR WHO (word marks, logos and devices), TARDIS, DALEKS, CYBERMAN and K-9 (word marks and devices) are trademarks of the British Broadcasting Corporation and are used under licence. BBC logo © BBC 1996. Doctor Who logo and insignia © BBC 2018. Dalek image © BBC/Terry Nation 1963. Cyberman image © BBC/Kit Pedler/Gerry Davis 1966. K-9 image © BBC/Bob Baker/Dave Martin 1977. Thirteenth Doctor images © BBC Studios 2018. Licensed by BBC Studios. All other material is © Panini UK Ltd unless otherwise indicated. No similarity between any of the fictional names, characters persons and/or institutions herein with those of any living or dead persons or institutions is intended and any such similarity is purely coincidental. All views expressed in this magazine are those of their respective contributors and do not necessarily represent the views of **Doctor Who Magazine**, the BBC or Panini UK. Nothing may be reproduced by any means in whole or part without the written permission of the publishers. This periodical may not be sold, except by authorised dealers, and is sold subject to the condition that it shall not be sold or distributed with any part of its cover or markings removed, nor in a mutilated condition. All letters sent to this magazine will be considered for publication, but the publishers cannot be held responsible for unsolicited manuscripts, photographs or artwork. Panini and the BBC are not responsible for the content of external websites. Newstrade distribution: Marketforce (UK) Ltd 020 3787 9001. ISSN 0957-9818

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Contents

Page 4
Production Timeline

Page 6
The Woman Who Fell to Earth

Page 8
The Ghost Monument

Page 10
Rosa

Page 12
Arachnids in the UK

Page 14
The Tsuranga Conundrum

Page 16
Demons of the Punjab

Page 18
Kerblam!

Page 20
The Witchfinders

Page 22
It Takes You Away

Page 24
The Battle of Ranskoor Av Kolos

Page 26
Resolution

We live in an age where sequels aren't always what they appear to be.

Earlier this year I went to see *Mary Poppins Returns*, the belated follow-up to the 1964 classic starring Julie Andrews. When friends subsequently asked me what I thought, my response left many of them baffled. "It's got a beautiful score," I said, "and the film is excellent. It reminded me a lot of *The Force Awakens*."

By which I meant that while I enjoyed Episode VII of the *Star Wars* saga, I couldn't shake the feeling that I'd seen at least some of it before. As well as evoking the spirit of the original trilogy, *The Force Awakens* seemed content to also reprise key elements of it.

Similarly, *Mary Poppins Returns* prompted direct comparisons with *Mary Poppins*, which I had – perhaps unwisely – rewatched only a few weeks before.

I don't blame Disney for playing it safe with either of these sequels. Filmmaking is an expensive business, and if you're trying to reboot a beloved franchise why on earth would you risk taking your audience into unfamiliar territory?

All of which makes *Doctor Who*'s achievement in 2018 more extraordinary. Rather than trading on past glories, the latest episodes were quite different from anything we'd seen before. In fact, this was the first time since 1978 that a series of *Doctor Who* had featured no returning guest characters or monsters. On top of all this, Jodie Whittaker's Doctor represented some of the boldest casting in the programme's 55-year history.

The show's bravery was rewarded with widespread acclaim and remarkable viewing figures. *Doctor Who* had been relaunched before, but never with such a clean break from the past. It wasn't until the New Year's Day Special, broadcast three weeks after the conclusion of Series 11, that the Thirteenth Doctor was pitted against a familiar foe.

Showrunner Chris Chibnall and his team have given one of television's great institutions a new lease of life. And it's something they've achieved on their own terms.

This is how they did it.

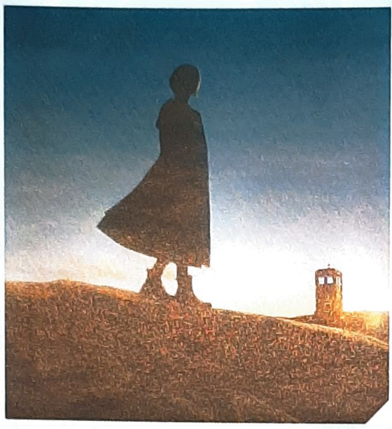
Marcus

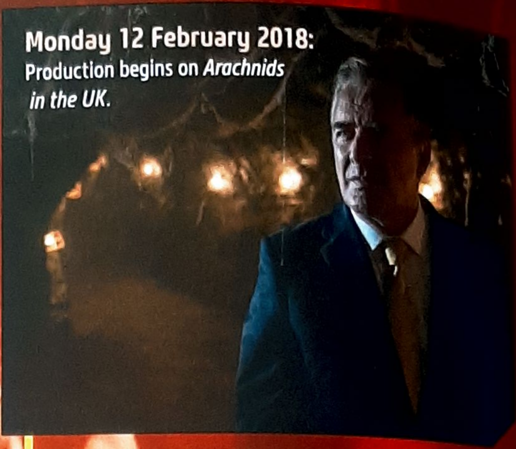
SERIES 11

Production Timeline

Tuesday 31 October 2017: Production begins on *The Woman Who Fell to Earth*.

Wednesday 10 January 2018:
First shot of the TARDIS exterior is recorded at Paarl Rock, South Africa. Actor Shaun Dooley captures what proves to be an iconic image of the new Doctor using his phone camera.





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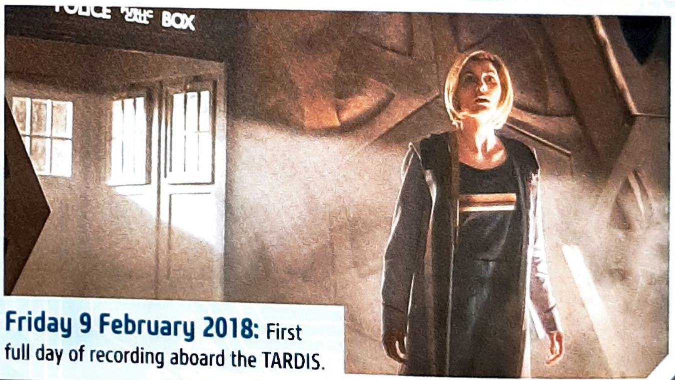
Monday 19 February 2018:
Production begins on *The Witchfinders*.

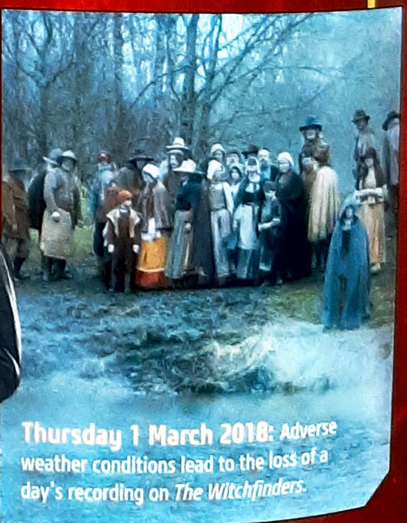
Thursday 16 November 2017:
Production begins on *It Takes You Away*.



Friday 9 February 2018: First full day of recording aboard the TARDIS.

Wednesday 3 January 2018: Production begins on *The Ghost Monument* in Cape Town, South Africa.

Sunday 7 February 2018:
Production begins on *Rosa* in Cape Town, South Africa.



Thursday 1 March 2018: Adverse weather conditions lead to the loss of a day's recording on *The Witchfinders*.

Monday 9 April 2018:
Production begins on *Kerblam!*

Wednesday 4 July 2018: Production begins on the 2019 New Year's Day Special *Resolution*.

Wednesday 16 May 2018:
Production begins on *Demons of the Punjab*.

Friday 3 August 2018: Series 11 wraps at BBC Roath Lock Studios.

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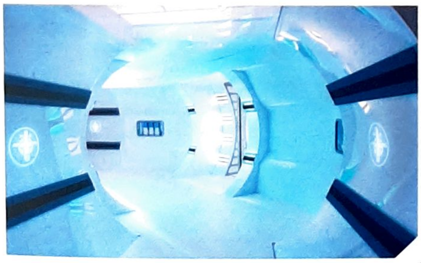
Monday 16 April 2018:
Production begins on *The Tsuranga Conundrum*.



Thursday 26 July 2018:
Jodie Whittaker's Doctor records her first encounter with a Dalek.

Monday 4 June 2018: Production begins on *The Battle of Ranskoor Av Kolos*.

Tuesday 12 June 2018:
Cast and crew travel to Granada in Spain to shoot *Demons of the Punjab*.

Monday 30 July 2018:
Jodie records the 'glass ceiling' trailer and meets a nine-year-old fan on the TARDIS set for *Children in Need*.

SERIES 11

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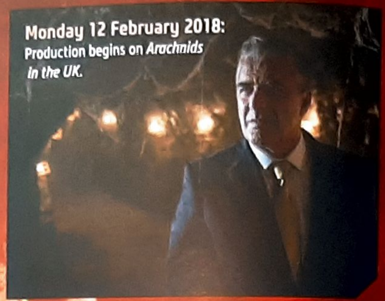

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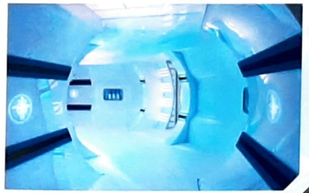

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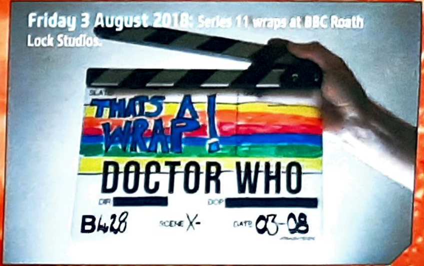


Friday 3 August 2018: Series 11 wraps at BBC Roath Lock Studios.

EPISODE 1

The Woman Who Fell to Earth

Recording of Jodie Whittaker's first series as the Doctor began with the climactic sequence from the opening episode – the tense confrontation with the ruthless Tzim-Sha.

On Tuesday 31 October 2017, the cast and crew assembled near Compass Road in Cardiff for a shift that began at 4.30pm and continued until 3.30am the next morning. Everyone remained at the same location, keeping the same inhospitable hours, for the next four days, adding shots for the demanding crane-top sequence.

"Episode one was a big challenge," recalled producer Alex Mercer. "It was pretty much all shot at night, which is very difficult because obviously it's dark so everything has to be lit up, which is a lot more work."

The Doctor's efforts to rescue the terrified Karl from the fast-approaching Tzim-Sha involved lining up the arms of two cranes so he could jump from one to another. Karl's efforts are frustrated by Tzim-Sha, so the Doctor ends up making a jump of her own. "I obviously thought there would be stunt doubles provided," said Jonny Dixon, who played Karl. "But on the third or fourth day, I was in the make-up truck sat beside Jodie and she was like, 'Well, if *you* do it, I'll do it.' So I said, 'All right then, if you're doing it, I'm not saying I'm not going to do it.' Jamie [Childs], the director, came out and said, 'Are you sure you both want to do this?' But we'd already geared each other up.

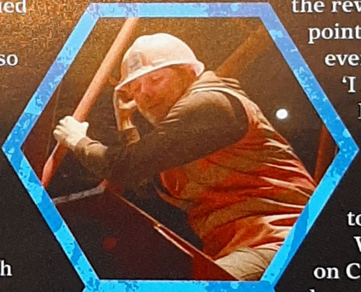
"We had to do a number of different stunts but the big one was when we were attached to a wire and we had to full-on jump off this crane," he continued. "Jodie went first... That took a good few hours and I was watching, saying, 'Go on, lass!' Then they were like, 'Right Jonny, you're up next.' They wired me up and I had to climb up and do the same jump. You've got all the crew and all the cameras and lights set up 50 feet below. You hear that 'Five, four, three, two, one... GO!' It was like doing a bungie. It was an amazing experience."

When Tzim-Sha demands to know who's challenging him, he's met with a confident reply from the fearless Time Lord: "I know exactly who I am. I'm the Doctor."

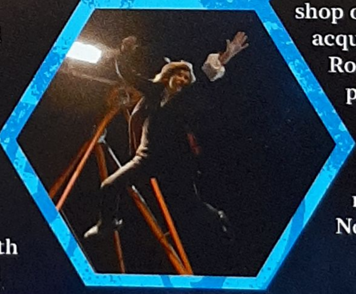
"That's the moment where I think it clicks, when all the rewiring kicks in," said Jodie. "Up until that point, because I'm still post-regeneration, everything's fizzing and bubbling so it's been, 'I know who I am, but I can't remember who I am...' And then it finally clicks. I think that's the best Doctor-defining moment because it's the first as well – and it was only my second day when I shot it. I got to say 'I'm the Doctor' on day two."

Work in Cardiff continued at a warehouse on Caerleon Road, the Kidney Research UK shop on Cowbridge Road (where the Doctor acquired her new look), around the Curran Road Industrial Estate, St Mark's Church, plus Lydney Woods and Talybont-on-Usk.

Episode 1 (none of the shows were allotted titles until post-production) was set in Sheffield, where location recording began on Monday 20 November. This commenced with PC



Right inset above: Crane driver Karl (Jonny Dixon) prepares to jump for his life.



Right inset below: The Doctor (Jodie Whittaker) leaps to the rescue.

Below: Recording the crane scenes on location near Compass Road in Cardiff.

Writer: **Chris Chibnall**
Director: **Jamie Childs**
Series producer: **Nikki Wilson**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Sharon D Clarke (Grace), Samuel Oatley (Tim Shaw), Jonny Dixon (Karl), Amit Shah (Rahul), Asha Kingsley (Sonia), Janine Mellor (Janey), Asif Khan (Ramesh Sunder), James Thackeray (Andy), Philip Abiodun (Dean), Stephen MacKenna (Dennis), Everal A Walsh (Gabriel).

BBC synopsis: "We don't get aliens in Sheffield." In a South Yorkshire city, Ryan Sinclair, Yasmin Khan and Graham O'Brien are about to have their lives changed forever, as a mysterious woman, unable to remember her own name, falls from the night sky. Can they believe a word she says? And can she help solve the strange events taking place across the city?

BBC One transmission:
Saturday 7 October 2018, 6.45pm
Audience: 10.96 million
(after 7 days, all devices)
Chart position: 1st (across all channels)

Left: Staging explosions aboard the train.

Below left inset: Graham O'Brien (Bradley Walsh).

Below right: Tzim-Sha of the Stenza (Samuel Oatley).

Bottom left: Jodie Whittaker discusses a scene with director Jamie Childs.

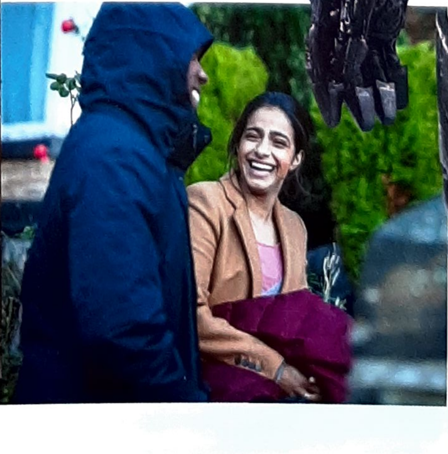
Bottom right: Tosin Cole and Mandip Gill on location.

"How are you with machinery? And heights?" THE DOCTOR

Yasmin Khan resolving a parking dispute in a sequence shot in Hunter House Road. On the same day, Graham chatted to his bus-driving colleagues at the Sheffield Interchange on Harmer Lane. Other Yorkshire locations included the premises of HTC Wolffkran on George Mill Lane (as the crane site) and Norton Water Tower. The Sheffield shoot concluded on Thursday the 23rd, with scenes outside Graham and Grace's home on Shrewsbury Road.

The cliffhanger scene, where the Doctor accidentally transports herself and her new friends into outer space, was performed some time after principal photography for *The Woman Who Fell to Earth* had wrapped. On Wednesday 7 February 2018, during the series' second recording block, Jodie Whittaker, Bradley Walsh, Tosin Cole and Mandip Gill were suspended in front of a green screen at the BBC's Roath Lock Studios in Cardiff. In her DVD/Blu-ray commentary Jodie recalled that the illusion of weightlessness was helped along by "dangling upside down on ropes... We could only be upside down for a short amount of time [due to] head pressure."

It was an appropriate, if unexpected, way to end an episode that had already featured a number of spectacularly successful leaps of faith. **DWM**



The Ghost Monument

Right inset above: A SniperBot on patrol.

Right inset below: Tosin Cole enjoys the sunshine on location in South Africa.

Below: Susan Lynch, Jodie Whittaker and Shaun Dooley.

Block 2 of production – covering Episodes 2 and 3 – kicked off on Wednesday 3 January 2018 with the BBC team based in Cape Town, South Africa. "I've taken *Doctor Who* abroad many times," explained production executive Tracie Simpson. "This series I organised a three-week long-haul trip – the biggest foreign shoot the show has ever done."

Work on the impressive Desolation exteriors commenced at the Atlantis Dunes off Jan Michau, continuing at a gully near Kalbaskraal. "Running in the South African heat was tough," recalled Susan Lynch, who played Angstrom. "I genuinely don't know how I coped. I've got pretty good stamina for stuff like that but it was really hard."

In the coming days, the unit worked at the Eikenhof Dam at Grabouw and at Cape Town's Macassar Beach. Temperatures peaked at a projected 37 degrees for the shoot at Paarl Rock on Wednesday the 10th. "Everyone else was in leather jackets and jumpers and jeans and stuff," noted Jodie Whittaker, "whereas [the Doctor's outfit] is a much better costume for heat because it's really thin."

At Paarl Rock, a key image of the new Time Lord was captured by Shaun Dooley, who played Epzo. At the end of recording, Shaun asked his old friend Jodie to pose for some backlit shots. "The wind came and it just lifted her coat up. I went click on my iPhone, and I was like, 'I've got it!' It was a beautiful, perfect moment. I showed Jodie the picture and she was like, 'Oh wow.' Honestly, I was so chuffed." When executive producers Chris Chibnall and Matt Strevens saw this striking shot, they asked if it could become one of the main promotional teaser images for the new series.

Work resumed in Wales on Monday 22 January, with the group traversing the acetylene fields – really the sand dunes at Merthyr Mawr. The Caerwent Training Area, a combat facility often used in *Doctor Who*, then became the target chamber from Monday the 29th.

Scenes aboard the boat were recorded in Studio 1 of BBC Cymru's Roath Lock on Friday 2 February, the same day the cast and crew familiarised themselves with the new standing TARDIS set in Studio 3. Authorised set visitors on this day included families of cast and crew, such as Susan Lynch's husband – actor

Writer: Chris Chibnall
Director: Mark Tonderai
Series producer: Nikki Wilson

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Mandip Gill (Yasmin Khan), Tosin Cole (Ryan Sinclair) with Susan Lynch (Angstrom), Shaun Dooley (Epzo), Art Malik (Ilin), Ian Gelder (Voice of the Remnants).

BBC synopsis: Still reeling from their first encounter, can the Doctor and her new friends stay alive long enough in a hostile alien environment to solve the mystery of Desolation? And just who are Angstrom and Epzo?

BBC One transmission: Sunday 14 October 2018, 6.55pm
Audience: 9.00 million (after 7 days, all devices)
Chart position: 4th (across all channels)

Left: Director Mark Tonderai (centre) discusses a scene with the cast.

Below left inset: Jodie Whittaker and Mandip Gill on set.

Below left: The cast pose for photos taken by Susan Lynch.

Below right: A publicity shot of Susan Lynch as Angstrom.

> **"Brilliant! About to crash on Desolation. Real grounds for optimism?"** THE DOCTOR

Craig Parkinson – and their son. "He came onto the set and met everybody," recalled Susan of her son's big day. "He even got to hold Jodie's sonic screwdriver! Jodie was absolutely amazing with him. She totally gets why people – and especially kids – would be really excited about being on the set. My little boy still talks about the day that he came to visit Doctor Who."

There was an ambitious schedule planned for Sunday 4 February – the adrenalin-packed five scenes of Epzo's Cerebos spaceship crashing were to be recorded in one carefully choreographed, hand-held camera take. "I was really grumpy about it," commented Jodie on the behind-the-scenes featurette *Doctor Who: Closer Look*, "because it was five pages and I just thought 'It's going to be me. We're going to get to four-and-a-half pages through of a six-minute take, and I'm going to dry' ... and it wasn't, *thank goodness*!"

Scenes in the wrecked lab and its associated antechambers and corridors were recorded in a former aircraft hangar on Sutton Road in Llandow on Monday 5 and Tuesday 6 February, then it was back to the studio for the final days of work. Block 2 concluded with the first full day aboard the regenerated TARDIS on Friday the 9th.

"We started work on the designs for the TARDIS interior back in January 2017, and I'm really happy with how close the end result matches our concepts," production designer Arwel Wyn Jones observed. "I won't name names but there were a few tears shed when we finally showed the finished article to the production team, and that was the greatest compliment."

"It's amazing – really exciting," enthused Jodie. "It's brilliant shooting on it. When we do loads of scenes back to back in it, it's great because you kind of bed down in the TARDIS for three days. It's really fun!"

Pick-ups of Ryan and Yaz in the acetylene fields at Pencoed Technology Park in Bridgend, recorded during Block 4 on Friday 13 April, brought work on Episode 2 to a close. Block 2 remained a special memory for the show's new lead in her first year aboard the TARDIS. "They were my favourite episodes to shoot because we were in South Africa. That was a really special experience," said Jodie. DWM

EPISODE 3

Rosa

"There were some immense challenges," observed executive producer and Episode 3 co-writer Chris Chibnall. "You're not just shooting in South Africa, you're shooting period USA in South Africa... with vehicles!"

Work on the Rosa Parks episode – set in Montgomery, Alabama on Wednesday 30 November and Thursday 1 December 1955 – commenced on Sunday 7 January 2018 on Government Avenue in Cape Town, continuing with work outside the Kimberley Hotel on Roeland Street, which appeared as Slim's Bar.

Vinette Robinson – who played Rosa – was deeply impressed with the overseas location. "It was an incredible place to work," she recalled. "It's a physically beautiful place. We were very lucky that we got some days off. I had quite a lot of free time actually, so I did everything. I went to Robin Island and Table Mountain, I went wine-tasting, I went to the beach, I went down to Cape Point. I did all sorts and had a really wonderful time."

The creek scene was staged at Berg River on Wednesday the 10th, with the motel on a backlot of Cape Town Film Studios, and other areas, like the bus yard located at the Ottery Youth and Education Centre, followed on the 11th.

A particular requirement for work at Ottery on Friday the 12th was a functioning American-style bus – of a sort that doesn't exist in South Africa. A local engineer was hired to strip down an existing vehicle and rebuild it as a facsimile of a period conveyance. "The bus kept breaking down," noted producer Alex Mercer on the episode's commentary track. "Hats off to the man who kept it on the road, but it wouldn't go, then the doors wouldn't open, and the lights would suddenly go off. The engine was so loud, and once it filled the whole carriage with smoke."

The following week, Harrington Street, Longmarket Street, Caledon Street, Albertus Street and Darling Street were all visited by the *Doctor Who* crew in their recreation of period Montgomery.

"On the day of filming, I couldn't stop crying," Mandip Gill said of the final night in Cape Town – at Greenmarket Square and Burg Street on Thursday 18 January – when Rosa defiantly refused to give up her seat. "We had to finish this scene at 11 o'clock," Alex explained, "but the police shut us down 15 minutes early and we were so to the wire. I was pleading with the policeman at the end of the road."

What're You Having?

Right inset above: Outside Slim's Bar in Montgomery, Alabama in 1955 – in reality, the exterior of the Kimberley Hotel in Roeland Street, Cape Town in 2018.

WHITE
WHITE

Right inset below: The interior of a segregated bus used by Rosa Parks.

Below: Jodie Whittaker and Mandip Gill share a joke on location in Cape Town.

Writer: **Malorie Blackman and Chris Chibnall**
Director: **Mark Tonderai**
Series producer: **Nikki Wilson**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Vinette Robinson (Rosa Parks), Joshua Bowman (Krasko), Trevor White (James Blake), Richard Lothian (Mr Steele), Jessica Claire Preddy (Waitress), Gareth Marks (Police Officer Mason), David Rubin (Raymond Parks), Ray Sesay (Martin Luther King), Aki Omoshaybi (Fred Gray), David Dukas (Elias Griffin Jr), Morgan Deare (Arthur).

BBC synopsis: "If she can live here her whole life, a couple of hours ain't gonna kill me. They ain't gonna kill me, right?" Montgomery, Alabama. 1955. The Doctor and her friends find themselves in the Deep South of America. As they encounter a seamstress by the name of Rosa Parks, they begin to wonder: is someone attempting to change history?

BBC One transmission:
Sunday 21 October 2018, 6.55pm
Audience: 8.41 million
(after 7 days, all devices)
Chart position: 4th
(across all channels)

Left: Trevor White, director Mark Tonderai, Tosin Cole and Jodie Whittaker.

Below left inset: The staff in Slim's Bar, an establishment for "whites only", are curious about the Doctor and her friends.

Bottom left: Joshua Bowman, playing Krasco, has his make-up adjusted prior to a take.

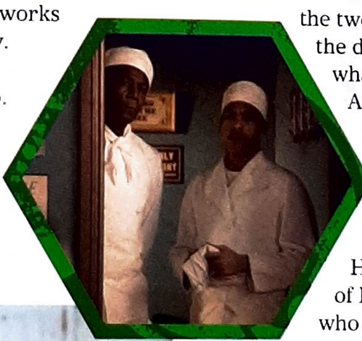
Below right: Vinette Robinson as Rosa Parks.

"I'm sorry. We have to not help her."

THE DOCTOR

Back in Wales, work continued at Roath Lock Studios, with the motel constructed inside Studio 4. The Caerwent Training Area was again used for the bus works and warehouse on Wednesday 31 January. "I remember on the day, Brad[ley Walsh] was being very naughty," recalled Mandip. "Like tampering with props and stuff, but right at the last minute."

The interior of Slim's Bar had also been built in Studio 4, and it was in use when the episode's co-writer Malorie Blackman and her daughter visited the set on Thursday 8 February. "I was in Cardiff when [the bar] scene was being filmed, and speaking to Mark [Tonderai] the director. He was very keen to show that even though it was a 'Whites Only' establishment, the staff were black African-American," Malorie pointed out on the episode commentary. "So he wanted to have that shot of the two serving staff in the door watching what's going on. A brilliant stroke there."



AUTOL
DESOLITE
AUTOL

Also visiting the set on Thursday the 8th were Marcus Hearn and Emily Cook of **Doctor Who Magazine**, who interviewed Vinette, then on her last scheduled day as Rosa. "It's so sad that this is coming to an end," said the guest star. "Working on this has been really fun. Even though the subject matter of my episode isn't all fun..."

Pick-up shots in Cape Town were recorded on Tuesday 13 February, with a few remaining inserts reserved for Block 3, through to Tuesday 20 March.

Chris Chibnall said: "I hope the way we present her in the story, and the way Vinette Robinson portrays her, absolutely honours the spirit of Rosa Parks and what she did." **DWM**

Arachnids in the UK

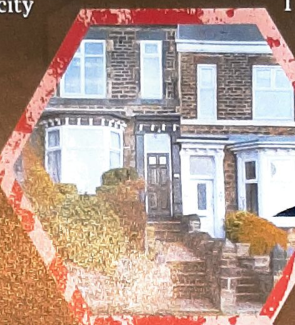
The Doctor returned Graham, Ryan and Yaz to Sheffield at the start of Episode 4. Appropriately then, work on Block 1 started in the South Yorkshire city on Monday 12 February 2018. The Grade II-listed Park Hill council flats, residence of both Ryan and Yaz, appeared as themselves across the first two days of the shoot, along with return visits to Shrewsbury Road for the exteriors of Graham and Grace's home.

This second visit to Sheffield quickly attracted the attention of the local *Doctor Who* devotees. "Loads of fans spotted us and there was a big crowd on the street," commented Tanya Fear, who played Dr Jade McIntyre. "I was like, 'Oh wow.' It really hadn't sunk in that I was part of something so big. I've never done a show that's got this kind of following. It's mind-blowing really. But I absolutely love it."

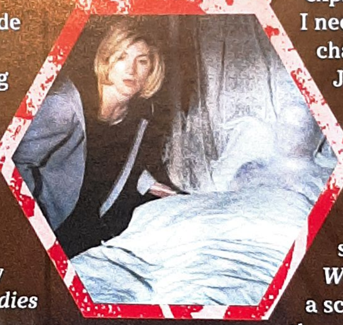
The set for the flat lived in by Yaz and her family had been built in Studio 1 at Roath Lock, ready for work commencing on Thursday 15 February – work that saw *dinnerladies* alumnus Shobna Gulati joining the cast as Yaz's mum, Najia Khan. "I'm a big Whovian, always have been," she said, recalling her childhood viewing of the 1974 story *Planet of the Spiders*. "That was responsible for my arachnophobia! My other early memories, as everybody talks about, are of the Daleks. I was seven, eight and nine watching the Daleks from behind the sofa in the 70s."

Cardiff University's School of Optometry and Vision Sciences played host to the crew, cast and arthropods when it posed as the laboratory at South Yorkshire University on Friday the 16th. Five genuine and impressively large spiders were provided by Ellen Winfield, of Caerphilly-based Rockwood Animals, for the sequence in which Jade explains about her research. "I have to say, I needed to go out of the room when they changed the tanks in the lab scene," recalled Jodie Whittaker. "I'm all right with house spiders – I'd definitely be able to do the thing and put it outside – but the big ones have blatantly been built to bite."

"They asked my agent if I'm afraid of spiders and I was like, 'Well, for *Doctor Who*, no!'," explained Tanya. "We did do a scene where there were real ones. I'm not the sort of person who will cry about it, but I was a bit like, 'Eurgh!' I'm just glad I didn't have to touch them. I can deal with them while they're in a closed box – that's fine."



Right inset above: Shrewsbury Road in Sheffield provided the location for the exterior of Graham's house.



Right inset below: The Doctor (Jodie Whittaker) discovers the cocooned corpse of Anna.

Below: Ryan (Tosin Cole) and Graham (Bradley Walsh) make a horrifying discovery in Robertson's hotel.

Writer: Chris Chibnall
Director: Sallie Aprahamian
Series producer: Alex Mercer

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Mandip Gill (Yasmin Khan), Tosin Cole (Ryan Sinclair) with Chris Noth (Robertson), Sharon D Clarke (Grace O'Brien), Shobna Gulati (Najia Khan), Tanya Fear (Dr Jade McIntyre), Ravin J Ganatra (Hakim Khan), Bhavnisha Parmar (Sonya Khan), Jaleh Alp (Frankie Ellish), William Meredith (Kevin).

BBC synopsis: "Something's happening with the spiders in this city." The Doctor, Yaz, Graham and Ryan find their way back to Yorkshire – and Yaz's family – only to find something is stirring amidst the eight-legged arachnid population of Sheffield.

BBC One transmission: Saturday 28 October 2018, 7.00pm
Audience: 8.22 million (after 7 days, all devices)
Chart position: 4th (across all channels)

Left: Director Sallie Aprahamian oversees the shooting.

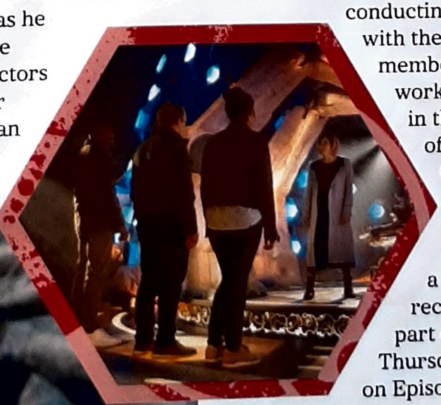
Below left inset: The Doctor invites her new friends to travel with her in the TARDIS.

Bottom left: Something very unpleasant breaks out of the bath.

Bottom right: Amoral businessman Jack Robertson (Chris Noth).

"I'm trying to do small talk. I thought I was doing quite well." THE DOCTOR

The key venue for the adventure – the latest of Jack Robertson's global chain of luxury hotels – was largely represented by the five-star Celtic Manor Resort at Coldra Woods, in the Usk Valley near Newport. Robertson himself was another casting coup for the series. "The character of Robertson was written for an American actor," noted writer and executive producer Chris Chibnall. "As with so many of our guest stars this year, the idea came from [casting director] Andy Pryor. As soon as he mentioned Chris Noth, it quickly became irresistible. Chris is one of the leading actors in US television drama, and has been for almost three decades now. I've been a fan of his since forever, and to be honest I didn't think we'd be able to get him."



After four days at Celtic Manor, work switched back to the more controlled environment of Roath Lock. Returning fleetingly as Grace was Sharon D Clarke, who performed her scene with Bradley Walsh in Studio 2 on Thursday 22 March. The same day, Emily Cook of **Doctor Who Magazine** was present, conducting interviews with the regular cast members. Location work was completed in the kitchen of Cardiff City Stadium on Friday the 23rd. Barring a pick-up shot recorded as part of Block 5 on Thursday 17 May, work on Episode 4 concluded with the end of Block 3, focusing on scenes set in Anna's spider-filled flat in Studio 1 on Thursday 29 March. The finished show closed with the Doctor's formal welcome aboard the TARDIS for Graham, Ryan and Yaz, conducted in Studio 3 on Monday 5 March. "It was brilliant doing those scenes because everyone just brings their little bit of vulnerability and hope to the interior of the TARDIS, which becomes our home for however many episodes," recalled Jodie Whitaker in *Doctor Who: Closer Look*. **DWM**

The Tsuranga Conundrum

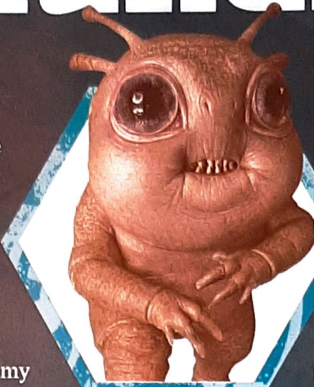
Episode 5 was an adventure set almost entirely aboard a Tsurangan QuadZone rescue craft. A major piece of creative design, comprising navchamber, patientpods, drive chamber, assessment ward, lifepod and corridors, the whole thing was constructed by production designer Arwel Wyn Jones' team in the studios of BBC Cymru's Roath Lock. "I think this is my favourite spaceship set," commented series producer Nikki Wilson on the episode's DVD/Blu-ray commentary.

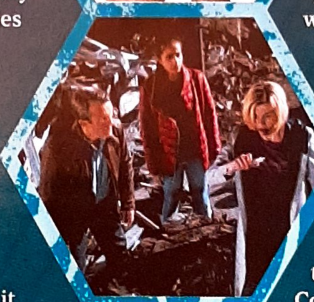
Recording on the space adventure commenced during the second week of Block 4 on Monday 16 April 2018, with Astos protesting at the Doctor's unauthorised entry to the navchamber. Because of the sterile look of the sets, cast and crew were instructed to wear protective blue overshoes; this footwear, it was hoped, would help preserve the pristine whiteness of the rescue craft's floors.

Various members of the episode's guest cast had costume fittings on that first day and the next, with Jack Shalloo reporting for camera tests on the afternoon of Tuesday the 17th. In his role as Yoss, he was to be fitted with one of the pregnancy 'bumps' used regularly on the adjacent Roath Lock sets by the production team of BBC One's hospital drama *Casualty*. The same day, Jodie Whittaker recorded an item in front of the new TARDIS police box for the Creative Cities initiative, which was shown at an event in Leeds the following week.

"I watched [the Channel 4 documentary series] *One Born Every Minute* quite a lot," noted Jack Shalloo in *Doctor Who: Closer Look*, referring to his preparation for Yoss' big birth scene, which was performed in Studio 4's patientpod on Wednesday 18 April. Yoss' son was played in different shots by two babies, Juniper and Esme, both of whom were available during the afternoon recording for strictly limited periods. "We had a prosthetic baby on standby in case neither of the real babies behaved," recalled Nikki Wilson of *Casualty* props that could, if necessary, have been operated by Colin Newman and Bethan Davis. "But – thank goodness – they [the real babies] were brilliant!"

From Monday 23 April, various scenes aboard the vessel required the cast to react to the space where the Pting would later be inserted in post-production. "The alien was created and named by Tim Price, who was one of the writers who was with us early on and did some work with us in the story room," explained writer and executive producer Chris Chibnall. "He came up with a brilliant and unusual name for the alien and we all





Right inset above: The voracious Pting is far more dangerous than it looks.

Right inset below: Graham (Bradley Walsh), Yasmin (Mandip Gill) and the Doctor (Jodie Whittaker) on the junk planet Seffilun.

Below: Director Jennifer Perrott plans a scene with her crew on the *Tsuranga* spacecraft set.

Writer: **Chris Chibnall**
Director: **Jennifer Perrott**
Series producer: **Nikki Wilson**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Brett Goldstein (Astos), Lois Chimimba (Mabli), Suzanne Packer (Eve Cicero), Ben Bailey-Smith (Durkas Cicero), David Shields (Ronan), Jack Shalloo (Yoss).

BBC synopsis: "Risk to life: absolute." Injured and stranded in the wilds of a far-flung galaxy, The Doctor, Yaz, Graham and Ryan must band together with a group of strangers to survive against one of the universe's most deadly – and unusual – creatures.

BBC One transmission:
Sunday 4 November 2018, 7.00pm
Audience: 7.76 million
(after 7 days, all devices)
Chart position: 6th
(across all channels)

Left: Recording the sequence where Eve Cicero (Suzanne Packer) helps pilot the *Tsuranga* to safety.

Below left inset: Yoss' new-born son, Avocado.

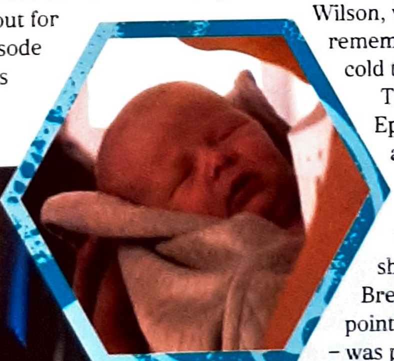
Below right: Jack Shalloo as the very pregnant Yoss.

Bottom left: Jodie and Mandip observe the action from behind the scenes.

> *"I've seen every episode of* Call the Midwife." **GRAHAM**

loved it. Tim was ultimately too busy to work on the show, but the alien was his creation."

Particularly effective as an authentic space environment was the assessment ward, erected in Studio 1 for use from Tuesday the 24th. "I really needed to go out for light and air," said Mandip Gill on the episode commentary, recalling the TARDIS team's recovery on the futuristic beds recorded on Wednesday 2 May.



The only location recording for Episode 5 was the opening sequence on the Seffilun junk planet – in reality, a junkyard operated by South Wales Exports at Barry Docks, where a night shoot had been scheduled through to 2.00am following an afternoon in studio on Friday 4 May. By the time that the Doctor and Yaz jettisoned the Pting in Studio 4, the spaceship sets were getting notably scuffed, in spite of the protective footwear. The erratic weather conditions that had badly affected Block 3 were now easing. "We were praying that the snow would have gone by the time we got to do this sequence," recalled Nikki Wilson, while Mandip Gill remembered "being really cold that day".

The main shoot on Episode 5 wrapped with a variety of effects inserts performed in Studio 4 on Monday 7 May, while the final shot – of a double for Brett Goldstein as Astos pointing at a navpod graphic – was performed during Block 5 on Wednesday 20 June.

"The relationship between the director and his or her director of photography is a really important one," explained Chris Chibnall, referring to the 2018 series as a whole. "This year we've tried to make each episode as visually distinct as possible, so that partnership is really key. We've given the directors, and their directors of photography, the scope to create their own worlds and their own visual styles. Each one connects into the series, but each episode has its own visual identity."

This philosophy helped to make *The Tsuranga Conundrum* one of the most eye-catching and visually memorable episodes of the entire series. **DWM**

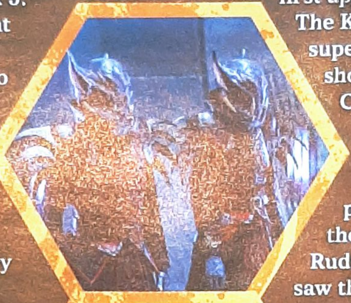
Demons of the Punjab

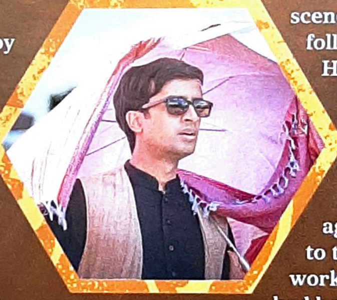
Right inset above: The Thijarians (Nathalie Cuzner and Barbara Fadden).

Right inset below: Hamza Jeetooa waits to record his next scene as Manish.

Below: Bradley Walsh, Jodie Whittaker, Tosin Cole and Mandip Gill have fun on location in the Granada province of Spain.

Originally scheduled as Episode 9, Vinay Patel's script about the Partition of India in August 1947 was the first episode to enter production during Block 5. The writer himself was present when recording began at Roath Lock on Wednesday 16 May 2018, the first scenes to be undertaken being those of Yaz with her family on the Park Hill flats set already erected for Episode 4 in Studio 1.





Vinay relished seeing his script brought to life. "It was interesting to talk to the crew in the moments of downtime and explain the broader context of the story we were telling. Most of the people I spoke to had never heard of Partition until this episode," he said. "I mostly filled the time by writing a set diary every day and running around with my beloved Polaroid SLR680."

The home of Prem and Manish had been constructed in Studio 2 for recording on Friday 18 May. At the start of the following week, three days were spent in the barn which had been created in Studio 1; these interior walls had been fashioned in such a way that they could be dismantled and reversed to become the exterior of the same building for subsequent location work.

The two Thijarians – performed by movement specialists Nathalie Cuzner and Barbara Fadden, who have often played aliens on *Doctor Who* – made their first appearance on set on Wednesday the 23rd. The Kisar and Almak heads and hands were supervised by a team from Millennium FX; shortly before recording, director Jamie Childs decided that the Thijarians would look more effective if their eyes were black rather than a milky-white ivory.

The forest sequences were performed over two days from Thursday the 24th at Llwyn Hir near the village of Rudry, close to Caerphilly. Friday the 25th saw the unit plagued by heavy rain during the scene where Bakti's body is discovered. The following week, material in the Thijarian Hive was recorded in Studio 4 at Roath Lock, with two days also devoted to the special trailer which aired on Sunday 15 July.

For some of the key outdoor scenes, the *Doctor Who* team again ventured overseas, this time to the Granada province of Spain and working once more with Sur-Film, who had been involved with previous Spanish shoots. Because the national parks in the north were inaccessible due to a snowfall across Europe during the recce, the BBC team had moved south and after three days had located the settings they needed, with the story's dusty Punjab landscapes actually situated in the municipality of La Calahorra. "We wanted it to feel as cinematic

Writer: Vinay Patel
Director: Jamie Childs
Producer: Alex Mercer

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Mandip Gill (Yasmin Khan), Tosin Cole (Ryan Sinclair) with Leena Dhingra (Nani Umbreen), Amita Suman (Umbreen), Shane Zaza (Prem), Hamza Jeetooa (Manish), Shaheen Khan (Hasna), Shobna Gulati (Najia), Ravin J Ganatra (Hakim), Bhavnisha Parmar (Sonya), Emma Fielding (Voice of Kisar), Nathalie Cuzner (Performance of Kisar), Isobel Middleton (Voice of Almak), Barbara Fadden (Performance of Almak).

BBC synopsis: "What's the point of having a mate with a time machine, if you can't nip back and see your gran when she was younger?" India, 1947. The Doctor and her friends arrive in the Punjab as the country is being torn apart. While Yaz attempts to discover her grandmother's hidden history, the Doctor discovers demons haunting the land. Who are they and what do they want?

BBC One transmission: Sunday 11 November 2018, 7.00pm
Audience: 7.48 million (after 7 days, all devices)
Chart position: 8th (across all channels)

Left: Runner Lauren Pate interviews Mandip Gill for the BBC internet series *Doctor Who: Access All Areas*.

Below left inset: The happy couple – Prem (Shane Zaza) and Umbreen (Amita Suman).

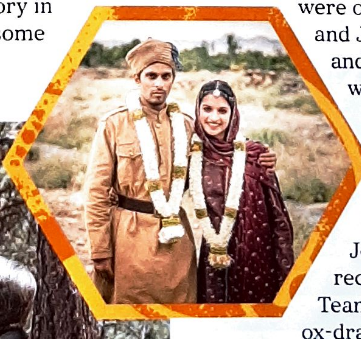
Bottom left: Bikramjit Gurm (playing Bakti) talks to Bradley Walsh on location.

Below right: Manish (Hamza Jeetooa).

"Love, in all its forms, is the most powerful weapon we have." THE DOCTOR

and as epic as possible," noted executive producer Matt Strevens in *Doctor Who: Closer Look*.

An olive farm near Aldeire agreed to the erection of a barn for work commencing on Tuesday 12 June, and once again Vinay was present to see his story in production. "The days I spent there were some of the most memorable of my life," he said. "Watching Brad[ley Walsh] very casually whip out some quite decent Spanish was an unexpected highlight. I was watching my episode of *Doctor Who* being shot! On location. There were oxen and horses and Jodie Whittaker and Thijarians. How wonderful. How mad."



Friday 15 June – the final day in Spain – was one which the regular cast would never let Tosin Cole forget. In *Closer Look*, Jodie Whittaker recalled recording the scene where Team TARDIS alights from the ox-drawn wagon: "There was this massive 'thud' and Tosin fell out of the cart. He knew everyone would laugh at him, so to milk it, he lay still so we'd all think he was injured... Then he sat up, and he had hay stuck to his face! I don't think me and Mandip have laughed like that for ages."

With pick-up shots in Studio 3 on Thursday 28 June, recording concluded on what executive producer Chris Chibnall dubbed a "global historical".

He added: "This episode has epic landscapes, big emotions... and monsters. I don't know what else you could want from television!" **DWM**

Kerblam!

"The first day of shooting on *Kerblam!* was quite surreal – not only because it was my first *Doctor Who*, but because we were filming all the TARDIS stuff first," recalled writer Pete McTighe of the day his script – then referred to as Episode 8 – went before the cameras at the Cardiff Bay Barrage and in Roath Lock's Studio 3. It was Monday 9 April 2018 and the start of Block 4.

"I scored a properly iconic first day!" he continued. "We shot the TARDIS arrival outside the Kerblam warehouse really early in the morning, close to the studios in Cardiff Bay. I was a bit worried we'd get spotted and there'd be chaos but we were in and out in no time before the morning rush – [director] Jen [Perrott] and the assistant directors ran a really efficient set. Then it was back to the studio for all the TARDIS interiors. It was amazing to meet my Postmen for the first time and be shooting in the control room. I couldn't have wished for a more exciting first day really."

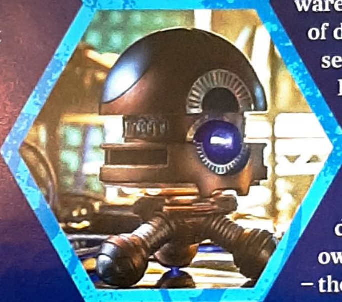
Scenes in Slade's office began in Studio 4 on Tuesday the 10th, with Julie Hesmondhalgh joining the cast as Head of People Judy Maddox. "The first person that came to mind when I started writing [Judy] was Julie Hesmondhalgh, so I was really pleased that she was able to join the cast," said Pete of the former *Coronation Street* regular. "She's injected the character with a really quirky, lovable quality."

Pencoed Technology Park in Bridgend had first been visited by the *Doctor Who* team for *The Pilot* in July 2016, with the crew returning on Thursday 12 April 2018 for the start of a two-day *Kerblam!* shoot, covering scenes including the maintenance store and testing room.

A publicity event in which Jodie Whittaker chatted to the press was staged on Monday 30 April concurrent with work at Enfys Studios in Cardiff, where sequences in the packing station and warehouse were recorded over the next couple of days. Another familiar location for the series was the National Trust property of Dyffryn Gardens in the Vale of Glamorgan, the grounds of which featured as the Home Zone on Thursday 3 May.

Comedian Lee Mack joined the cast as Dan Cooper on Tuesday 8 May, when two days' recording commenced at premises owned by the car manufacturer Aston Martin – the former Ministry of Defence site of St Athan in Barry, another venue often used by the BBC Wales team. "I wrote the role of Dan specifically for Lee Mack," said Pete. "I'm a big fan of Lee, and when Chris [Chibnall] mentioned that he was keen to appear in the series I wrote it in his voice. From that point on I couldn't imagine anyone else doing it."

Right inset above: Mandip Gill as Yaz and Tosin Cole as Ryan, on the set of *Kerblam!*



Right inset below: Kerblam Delivery Bot version 1.0 – also known as 'Twirly'.

Below: The Doctor (Jodie Whittaker) is distracted by an unexpected delivery to the TARDIS control room.

Writer: **Pete McTighe**
Director: **Jennifer Perrott**
Series producer: **Nikki Wilson**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Julie Hesmondhalgh (Judy Maddox), Lee Mack (Dan Cooper), Callum Dixon (Jarva Slade), Claudia Jessie (Kira Arlo), Leo Flanagan (Charlie Duffy), Matthew Gravelle (Voice of Kerblam).

BBC synopsis: "Delivery for the Doctor!" A mysterious message arrives in a package addressed to the Doctor, leading her, Graham, Yaz and Ryan to investigate the warehouse moon orbiting Kandoka, and the home of the galaxy's largest retailer: Kerblam!

BBC One transmission:
Sunday 18 November 2018, 6.30pm
Audience: 7.46 million
(after 7 days, all devices)
Chart position: 9th
(across all channels)

Left: Director Jennifer Perrott inspects the Personnel Analysis set.

Left inset: Graham (Bradley Walsh), Yaz, the Doctor and Ryan begin their new jobs at Kerblam.

Below left inset: Tosin chats to a member of the crew between takes.

Bottom left: Kerblam employee Dan Cooper (Lee Mack) admires a poster that bears his face.

Bottom right: One of the TeamMate robots with Kerblam's Head of People, Judy Maddox (Julie Hesmondhalgh).

> **"It was just a great chance to tell a creepy workplace story."** CHRIS CHIBNALL

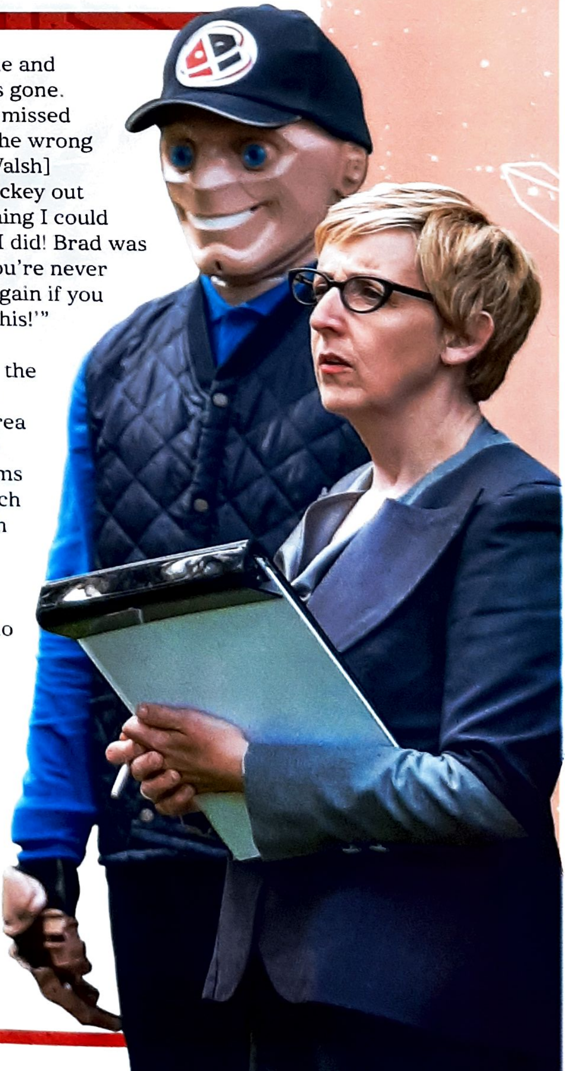
Scenes in the fulfilment department and in the main foyer were recorded at Pinewood Studio Wales in St Mellons from Thursday 10 May. Lee completed his work on Thursday the 10th, a day when Julie Hesmondhalgh struggled with Judy's 'technobabble'.

"I was amazed how hard I found it, because I'm usually a good line learner," Julie recalled. "It's the scene in the store room when we're trying to bring Twirly back to life, the old version of it. There's a fish-eye lens shot of Jodie from the point of view of the robot, and Jodie's got loads and loads of lines – the technobabble, as you call it. She's spent a lot of time learning it, and I've got one line – just one. And it gets to me and I'm like... Nothing there, it was gone. That was a bad day, actually. I missed my mark, I had my clipboard the wrong way round – which Bradley [Walsh] still to this day is taking the mickey out of me about. Everything I could possibly do wrong I did! Brad was laughing, like, 'You're never going to work again if you carry on like this!'"

The final location for the episode was the storage area of the Place for Homes showrooms in Cowbridge, which was used as dispatch on Monday 14 and Tuesday 15 May, when work wrapped on the block. Pick-up shots were then performed in Studio 4 during Block 5 on Thursday the 17th.

Kerblam! is an adventure that takes current concerns about working conditions to their ultimate extreme. "It was just a great chance to tell a creepy workplace story with these beautifully designed delivery bots," said executive producer Chris Chibnall. **DWM**

HAND-PICKED by Humans!
Kerb!am



The Witchfinders

“It is *freezing*!” cried Mandip Gill as she shivered on location… moments before Jodie Whittaker playfully threw a snowball at her. Starting work on Monday 19 February 2018, the Doctor’s visit to the reign of King James – then designated Episode 6 – was to take a battering from forces beyond the control of BBC Wales during production on Block 3. “The hardest thing I ever filmed in my life,” claimed Tosin Cole.

“We had the most dreadful weather,” confirmed director Sallie Aprahamian. “You’d get torrential rain followed by brilliant sunshine and snow showers. But we were depicting a very dark period in our history, so the weather had a fantastic consequence for the aesthetic of the piece.”

The first two days were spent recording scenes in the misty environs of Lydney Woods in Gloucestershire’s Forest of Dean, after which the rest of the week was spent at Little Woodham, a ‘Living History Village’ located in Gosport. While the daytime temperatures sank lower and lower, this featured as Bilehurst Cragg.

When work began on the ‘field of graves’ material for two days at the Caerwent Training Area on Monday 26 February, the cast and crew were warned that they would be working in freezing conditions. By Wednesday the 28th – when the crew were at Treowen in Monmouth – the snow had started to fall as part of Anticyclone Hartmut. “They were at the mercy of the Beast from the East, with freezing cold snowstorms,” recalled writer Joy Wilkinson. “I went out for a day and what turned out to be one of the coldest nights of my life. It was two pairs of jeans and three coats kind of cold!”

The Met Office issued a Severe Weather Warning. “That day, we’d started recording outside,” said Jodie Whittaker. “It was really cold and I had to have wet hair as well. I was shivering a lot! When we went to do a close-up, there was a load of snow in the background which hadn’t been there for the wide [shot].”

The rapidly deteriorating weather began to take its toll during the day. “There is a take of the final scene which we then had to reshoot,” noted executive producer Chris Chibnall in *Doctor Who: Closer Look*, referring to the dialogue outside the TARDIS. “It was incredible, the blizzard that just came down that day.”

Scenes in Savage Hall’s drawing room were due to be recorded at the Tudor manor house of Llancaiach Fawr Manor in Nelson on Thursday 1 March, but early in the morning the day was cancelled because of snow. “The weather was absolutely brutal,” Jodie Whittaker remembered. “I’ve never shot on anything that’s shut down because of the weather.”

Right inset above: The exterior of Treowen Manor in Monmouth was used for the establishing shot of Becka Savage’s mansion.

Right inset below: Becka Savage (Siobhan Finneran) is possessed by the Morax.

126 2
DOCTOR WHO

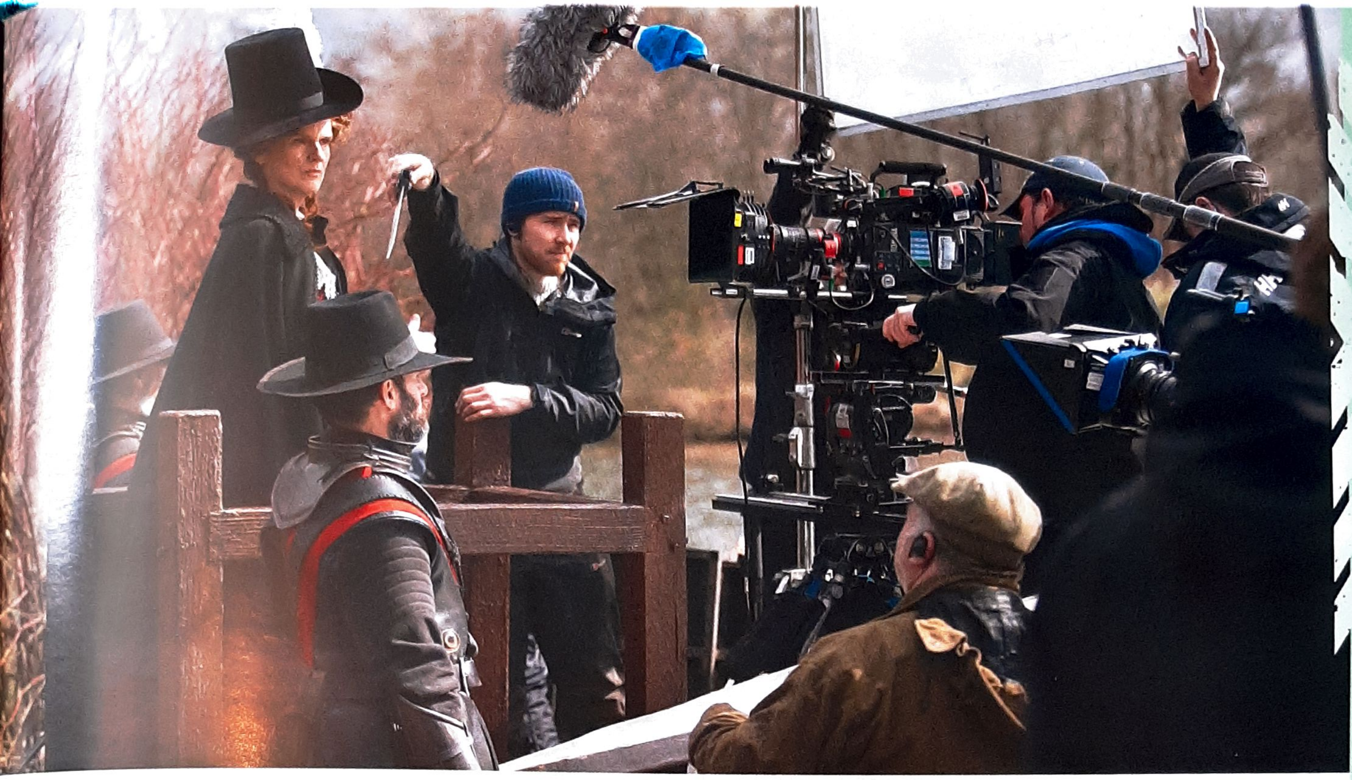
Below: The episode was partly shot at Little Woodham, a ‘Living History Village’ in Gosport.

Writer: **Joy Wilkinson**
Director: **Sallie Aprahamian**
Series producer: **Alex Mercer**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O’Brien), Mandip Gill (Yasmin Khan), Tosin Cole (Ryan Sinclair) with Alan Cumming (King James), Siobhan Finneran (Becka Savage), Tilly Steele (Willa Twiston), Tricia Kelly (Old Mother Twiston), Arthur Kay (Smithy), Stavros Demetraki (Alfonso).

BBC synopsis: The Doctor, Ryan, Graham and Yaz arrive in 17th-century Lancashire and become embroiled in a witch trial, run by the local landowner. As fear stalks the land the arrival of King James I only serves to intensify the witch hunt. But is there something even more dangerous at work? Can the Doctor and friends keep the people of Bilehurst Cragg safe from all the forces that are massing in the land?

BBC One transmission:
Sunday 25 November 2018, 6.30pm
Audience: 7.21 million
(after 7 days, all devices)
Chart position: 17th
(across all channels)



Left: Recording a scene where Becka Savage oversees a trial by water for a suspected witch.

Below left: The Doctor (Jodie Whittaker) prepares for a ducking.

Below right: King James (Alan Cumming) uses his 'pricker' to seek out witches.

"Anybody else missing the party vibe all of a sudden?" GRAHAM

The next two shoot days were also cancelled, and the schedule was quickly revised to minimise the impact. Shooting resumed at Treowen Manor on Tuesday the 6th, with work on the ducking sequences commencing at Penllyn Lake near Cowbridge on Wednesday the 7th. Night shoots were planned for Pendle Hill scenes close to the village of St Nicholas in the Vale of Glamorgan from Thursday the 8th, with the cast battling the aftermath of the snow.

"The mud!" exclaimed Jodie. "That was hard. But we did shoot through it. They were the hardest weather conditions I've ever shot in. Like, ever. There are crew members who've worked on *Doctor Who* for 13 years who said they'd seen nothing like that."

The crew finally reached Llancaiach Fawr Manor on Sunday 25 March, after which the ducking sequences at Penllyn Lake continued to Wednesday the 28th. By now, guest star Alan Cumming was no longer available, and so – with careful camera work – King James was doubled by Peter Caulfield, who had appeared in the 2017 episode *Oxygen*. Pick-ups were then recorded in Studio 4 at Roath Lock on Monday 7 May as part of Block 4.

"The weather was not kind to us," recalled Sallie Aprahamian. "Howling rain storms, snow, lots of mud and bright sunshine, sometimes within minutes of each other. The cast and crew were amazing, working on through with good humour and craft. That's how *Doctor Who* magic sometimes has to happen." **DWM**

EPISODE 9

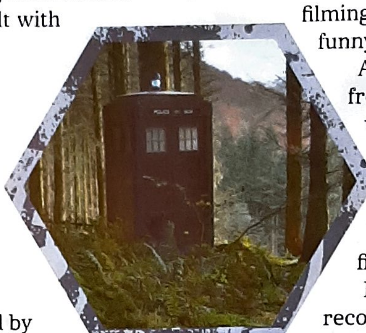
It Takes You Away

Made alongside Jodie Whittaker's debut adventure as part of Block 1, *It Takes You Away* started recording on Thursday 16 November 2017. Only the regular cast were required for work on the rocky outcrops around Blaen Y Glyn Uchaf, close to Merthyr Tydfil, along with various sequences being recorded for Episode 1, the bulk of which had been dealt with first in the block.

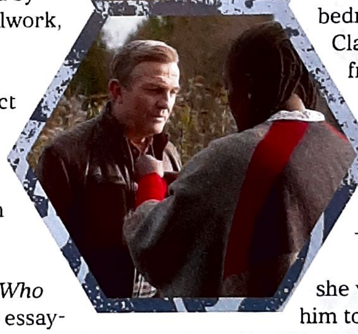
Writer Ed Hime visited the set when production resumed in Studio 4 at Roath Lock on Friday 24 November, which was the first work day for guest artist Kevin Eldon, cast as Ribbons of the Seven Stomachs, an inhabitant of the antizone. The following week, the cast was joined by 17-year-old Eleanor Wallwork, who was playing Hanne. Blind since birth, the actress-singer was perfect casting and welcomed by the writer. "Ellie is brilliant, a real find," he said. "At the readthrough we were blown away by how great she was."

Ellie's time on *Doctor Who* was concurrent with her essay-heavy schoolwork for A-levels in History, English Literature and Psychology. "It's difficult but I'm somehow managing," she said of her multi-tasking. "Doing *Doctor Who* I don't have as much time as I thought I would, so I'm just going to have to work constantly."

"It was amazing," Ellie later said on Radio 4's *In Touch*. "I always felt like I belonged, I always felt included. They made a lot of effort to make me feel at home really. They always helped me in terms of, like, guiding me around the set and we always blocked out scenes beforehand. And filming with the cast was fantastic; they're all so funny and I got on with them so well."



Right inset above: The arrival of the TARDIS was recorded in the grounds of Canada Lodge in Creigiau.



Right inset below: Graham (Bradley Walsh) is apparently reunited with his late wife Grace (Sharon D Clarke).

Also joining the cast for three days' work from Monday the 27th was Paul Sturgess, who played the Spindleman, a strange figure attracted by moths in the antizone – a character who pursued the travellers and was finally trapped by Ryan and Yaz in several scenes edited from the finished episode.

Much of the adventure was initially recorded on Roath Lock's stages, where Erik's bedroom had been built in Studio 1. Sharon D Clarke was engaged once again, appearing from Wednesday 6 December to the particular delight of Bradley Walsh. "When Sharon was on set we'd sing together," he said. "We love jazz and standards, pop and Motown as well. Sharon's got a terrific voice. I love listening to her sing – she's a powerhouse! And a great actress."

Ellie's proud father visited his daughter as she worked on Saturday 9 December. "I wanted him to be able to see what it's like because it's really difficult for me to explain," she said. "He's a huge fan of *Doctor Who* as well – Tom Baker is his favourite Doctor – so he was really happy that he got to come. My dad talks about it a lot, so although I hadn't watched *Doctor*

Writer: **Ed Hime**
Director: **Jamie Childs**
Series producer: **Nikki Wilson**

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Sharon D Clarke (Grace), Eleanor Wallwork (Hanne), Kevin Eldon (Ribbons), Christian Rubeck (Erik), Lisa Stokke (Trine).

BBC synopsis: On the edge of a Norwegian fjord, in the present day, the Doctor, Ryan, Graham and Yaz discover a boarded-up cottage and a girl named Hanne in need of their help. What has happened here? What monster lurks in the woods around the cottage – and beyond?

BBC One transmission: Sunday 2 December 2018, 6.30pm
Audience: 6.42 million (after 7 days, all devices)
Chart position: 23rd (across all channels)

Below: Canada Lodge was used as the exterior of Hanne's remote house.

536 2
DOCTOR WHO

Left: Erik's bedroom was one of the sets constructed at Roath Lock Studios.

Below: Ribbons (Kevin Eldon), the grotesque occupant of the antizone between universes.

Bottom left: Director Jamie Childs.

Bottom right: Eleanor Wallwork as Hanne with Christian Rubeck as her father, Erik.

> *"I've lived longer, seen more, loved more and lost more. I can share it all with you."*
>
> THE DOCTOR

Who much before being in it, I've always known about it growing up. Plus my dad clued me up on a few things."

Canada Lodge – a lakeside event and accommodation venue at Creigiau – was home to the *Doctor Who* team for four days from Monday 11 December, with one of its cabins becoming the cottage and its gardens in both universes. Peter Ware and Emily Cook of **Doctor Who Magazine** spent a chilly day with the BBC crew on Tuesday the 12th, interviewing make-up designer Claire Pritchard in her trailer. "We've got so many heaters on that the ice on the roof is melting and coming through," she said.

"We have been cold out there," Sharon told the magazine. "It's not glamorous. Having said that, when we arrived this morning, as cold as it was – all the mist was rising, the sun was shining and it looked really romantic. It's absolutely stunning. They're off to South Africa in a couple of weeks, God bless 'em – somewhere nice and hot. Bradley said to the others, 'The first person who says it's too hot, gets it.'"

Tuesday 12 December was the final day of Sharon's main shoot on the series. "It's been an absolute pleasure. I've really enjoyed this gig," she said. Recording on the episode concluded at Enfys Studios in Cardiff on Friday 15 December, as the Doctor confronted the Solitract in its white room... with the frog-like embodiment operated by a team from Millennium FX. **DWM**

The **Battle** of Ranskoor Av Kolos

“The big arc this year is the emotional journeys of Graham, Ryan, Yaz and the Doctor,” explained writer Chris Chibnall of the 2018 series finale – Episode 10, which was made along with *Demons of the Punjab* as part of Block 5. “They’ve been through a lot emotionally. They’ve lost people. They’ve been thrown across the universe and seen all the thrills and spills, dangers and tough times that being with the Doctor can throw at you – and they’ve made a conscious decision to travel with her.”

Recording commenced with the opening TARDIS scene on Monday 4 June 2018, on the standing set in Studio 3 at Roath Lock. After this the unit headed for Trefil Quarry near Tredegar – a barren area first visited by the *Doctor Who* team for *Planet of the Ood* (2008) and now playing the part of Ranskoor Av Kolos (or “Disintegrator of the Soul”). As usual, production was covered by the *Doctor Who* Interactive team, who captured behind-the-scenes material on Tuesday the 5th, the day that the Doctor’s party gazed upon the Edifice for the first time.

Work continued at the rocky location through to Wednesday the 6th, the day on which three key cast members joined the team. Phyllis Logan and Percelle Ascott underwent transformation into the Ux: Andinio and Delph. “It’s very delicate,” Phyllis commented of the markings on her cheek, “so it’s quite tricky to place it on. It took about half an hour in make-up.”

Undergoing a more extensive transformation was Samuel Oatley, returning after several months to resume the role of Tzim-Sha, which he had originated in Episode 1. “When we were shooting the first episode I was made aware that he would bookend the series,” the actor said, “but I had no idea of the plot. There were whisperings, I think, but I knew the way Chris and the guys work, that it’s always evolving.”

Writer: Chris Chibnall
Director: Jamie Childs
Series producer: Alex Mercer

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O’Brien), Mandip Gill (Yasmin Khan), Tosin Cole (Ryan Sinclair) with Phyllis Logan (Andinio), Mark Addy (Paltraki), Percelle Ascott (Delph), Samuel Oatley (Tzim-Sha), Jan Le (Umsang).

BBC synopsis: On the planet of Ranskoor Av Kolos lies the remains of a brutal battlefield. But as the Doctor, Graham, Yaz and Ryan answer nine separate distress calls, they discover the planet holds far more secrets. Who is the mysterious commander with no memory? What lies beyond the mists? Who or what are the Ux? The answers will lead the Doctor and her friends towards a deadly reckoning.

BBC One transmission:
Sunday 9 December 2018, 6.25pm
Audience: 6.65 million
(after 7 days, all devices)
Chart position: 18th
(across all channels)

Inset above: The travellers approach a gravity-defying edifice on Ranskoor Av Kolos.

Inset below: Tzim-Sha (Samuel Oatley) plans to destroy the Earth.

Right: Recording a dramatic scene with Phyllis Logan as Andinio and Percelle Ascott as Delph.

525
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3
DOCTOR WHO
DOP: Sam Heasman

Left: The TARDIS on set at Roath Lock.

Above inset left: The Doctor (Jodie Whittaker) must thwart an old foe.

Above inset right: Ryan (Tosin Cole) and Graham (Bradley Walsh) prepare for trouble.

Below inset left: Paltraki (Mark Addy) is suffering from memory loss.

Bottom left: Jamie Childs directs a scene.

Bottom right: Phyllis Logan as Andinio.

Uskmouth Power Station in Newport is another industrial area frequently visited by the *Doctor Who* crew over the years, ever since its first appearance as the Cyber-conversion unit in *The Age of Steel* (2006). From Thursday 7 June, a specially designated area of the facility was used as the broken-down area of the Edifice, with the Doctor coming face to face with an old enemy. As always, the cast and crew were issued with strict safety instructions for working at such a venue, ensuring that they stayed in the approved parts of the location and wore the protective clothing issued to them.

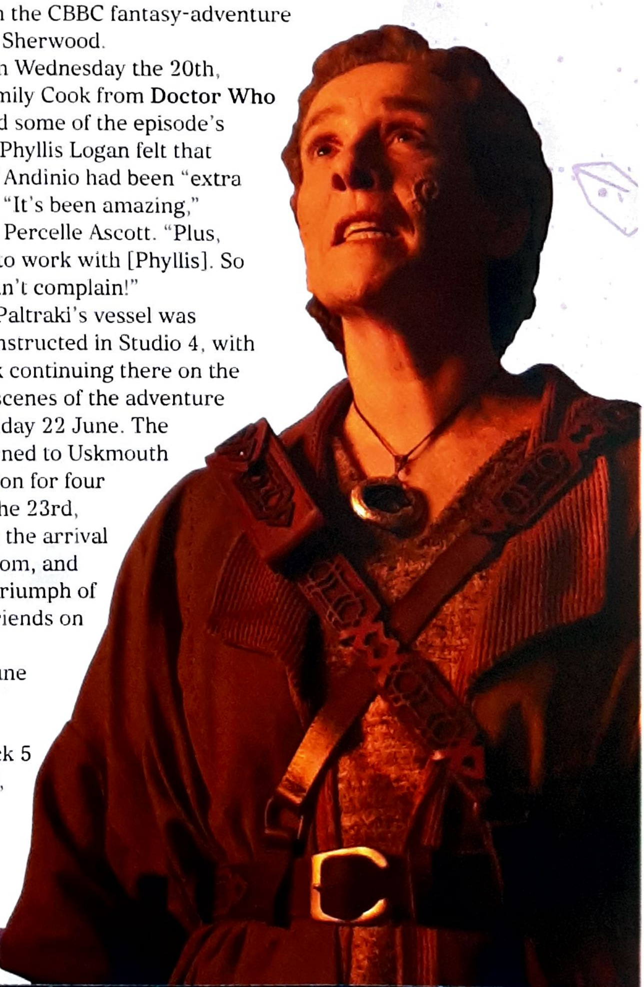
Following a week in Spain, capturing sequences for *Demons of the Punjab*, work on Episode 10 resumed in Studio 1 of Roath Lock on Monday 18 June. It was here that the stasis chamber had been erected for the next three days' work, in which SniperBots from Episode 2 stood in the way of the rescue of the hostages from the cryospace chambers. The BBC Cymru stages were a familiar setting for Percelle Ascott. "I did *Wizards vs Aliens*, which was written by Russell T Davies, so I know most of the crew here," he recalled of his time on the CBBC fantasy-adventure series, playing Benny Sherwood.

> ***"You're better than this. You are. You have to be."***
> **THE DOCTOR**

During a set visit on Wednesday the 20th, Marcus Hearn and Emily Cook from **Doctor Who Magazine** interviewed some of the episode's guest stars. Phyllis Logan felt that the role of Andinio had been "extra special". "It's been amazing," agreed Percelle Ascott. "Plus, I get to work with [Phyllis]. So I can't complain!"

Paltraki's vessel was constructed in Studio 4, with work continuing there on the early scenes of the adventure until Friday 22 June. The unit returned to Uskmouth Power Station for four days from Saturday the 23rd, focusing on scenes in the arrival space and weapon room, and concluding with the triumph of the Doctor and her friends on Wednesday the 27th.

On Thursday 28 June shooting of the later scenes aboard the TARDIS brought Block 5 to an end. There was, however, still one more episode to record... **DWM**



Resolution

Right inset above: A flashback to the ninth century, recorded at Trefil Quarry on Tuesday 10 July.

Right inset below: Wayne Yip directs the actors playing soldiers.

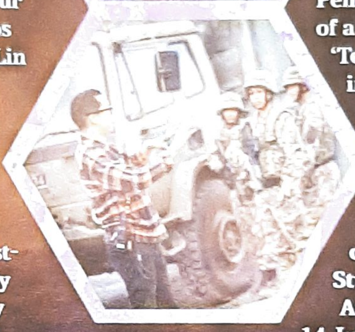
Below: Lin (Charlotte Ritchie) is possessed by the Dalek creature.

“The episode is set on New Year's Day,” said writer Chris Chibnall of the concluding adventure for the first year of Jodie Whittaker's Doctor. “There's no better way to start a new year than with *Doctor Who*.”

And to give the latest incarnation of the Time Lord a formidable opponent, he pitted her against a Dalek – although the creature would only be referred to by the code name ‘Kevin’ in the production paperwork.

Block 6 – allocated solely to the one-hour special – began at BBC Roath Lock Studios on Wednesday 4 July 2018. Scenes with Lin being pulled over were executed on the ‘road to nowhere’ – part of the Dragon Studios facility at Pencoed – on Friday 6 and Saturday 7 July. Stunt expert Crispin Layfield arranged the action material, with Charlotte Ritchie, playing Lin, at the dummy steering wheel of a fast-moving Ford Mondeo, the vehicle actually being driven from a roof-mounted pod by stunt driver Paul Bailey.

This action sequence was Charlotte's first day on the programme: “Before I met anyone else, I met the first assistant director and I met [director] Wayne [Yip],” she recalled. “Everyone shook hands with me and then they said, ‘You're going to get in this car. You're going to be driving with a man on top of the car and he's going to be driving at 70 miles an hour. Just mime that you're driving the car, and... by the way, there will be oncoming traffic...’”



The ninth-century sequences were staged at Trefil Quarry on Tuesday 10 July, with the tiny island and Siberia amongst settings recorded on Porthcawl's Newton Beach on Thursday the 12th. The interior of Lin's home was located in a house on Victoria Roath in Penarth on Friday the 13th, and saw use of a Dalek mutant prop code-named ‘TentaKevin’. “That was partly realised in CGI by the team at [visual effects company] DNEG but we made the practical rig, with two moving tentacles and the rest gripping round the body,” noted specialist prop-maker Robert Allsopp, who operated the radio-controlled appendages with his colleague Stuart Curran.

After recording TARDIS scenes on Saturday 14 July, the regular cast travelled to San Diego, attending a Comic-Con panel on Thursday the 19th. They were still in the USA when the set-piece showdown between the army and the Dalek was staged at Walter's Arena in Neath on Friday the 20th. Visitors to the location included *Kerblam!* writer Pete McTighe, who

Writer: Chris Chibnall
Director: Wayne Yip
Series producer: Nikki Wilson

Cast: Jodie Whittaker (The Doctor), Bradley Walsh (Graham O'Brien), Tosin Cole (Ryan Sinclair), Mandip Gill (Yasmin Khan) with Charlotte Ritchie (Lin), Nikesh Patel (Mitch), Daniel Adegboyega (Aaron), Darryl Clark (Police Officer Will), Connor Calland (Security Guard Richard), James Lewis (Farmer Dinkle), Sophie Duval (Mum), Callum McDonald (Teen 1), Harry Vallance (Teen 2), Laura Evelyn (Call Centre Polly), Michael Ballard (Sergeant), Nick Briggs (Voice of the Dalek).

BBC synopsis: As the New Year begins, a terrifying evil is stirring from across the centuries of Earth's history. As the Doctor, Ryan, Graham and Yaz return home, will they be able to overcome the threat to planet Earth?

BBC One transmission: Tuesday 1 January 2019, 7.00pm
Audience: 7.13 million (after 7 days, all devices)
Chart position: 14th (across all channels)

Far left: The Doctor (Jodie Whittaker) and the Dalek meet each other eye to eyestalk.

Left: Preparing to record a scene on the set of Lin's home.

Below left inset: The Dalek creature captures Aaron (Daniel Adegboyega) and takes the Doctor and her friends prisoners aboard the TARDIS.

Bottom left: Recording the battle sequence between the Dalek and the ill-fated soldiers.

Bottom right: The Dalek prop in *Resolution* was operated by remote control.

> "Earth is protected by me and my mates – this year, and every other. Here we go!" **THE DOCTOR**

maintained a safe distance while taking photographs of the pyrotechnics.

The Dalek prop created for the episode was a new, one-off item, representing a makeshift casing assembled under the supervision of the mutant recon scout. The prop was created by production designer Arwel Wyn Jones. "He wanted to make it completely remote-controlled," observed Wayne Yip of Arwel's approach. "His main objective was to try to make the Dalek do things that, because of the limitation of somebody inside it, you'd never seen before – like longer journeys and movements." The remote-control Dalek was operated by Colin Newman and his assistant.

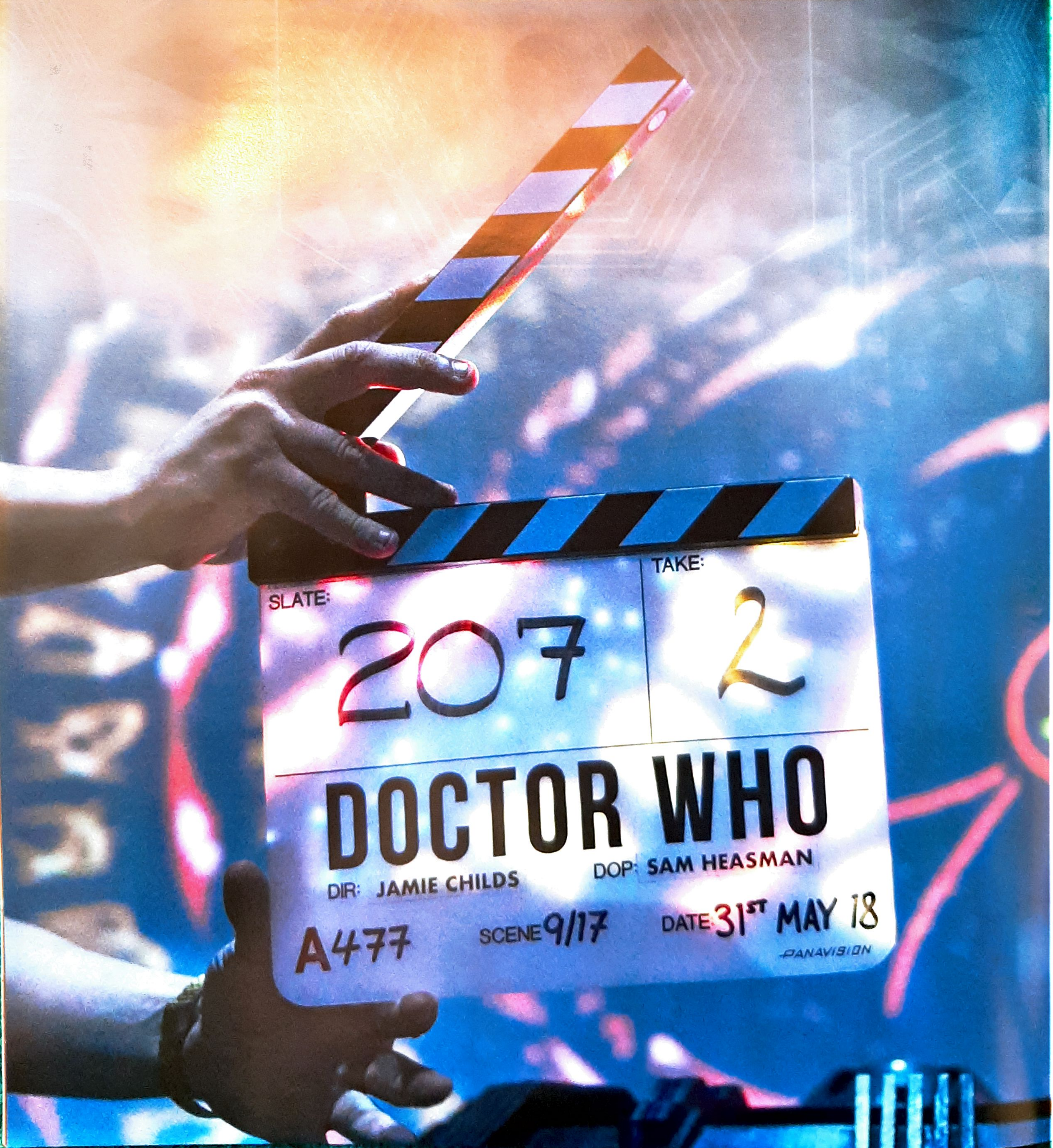
A vast, flooded representation of the Victorian storm drains beneath Sheffield was built in Studio 4 and used from Monday 23 July. The first Doctor-Dalek face-off was staged at Gileston Farm near St Athan from Thursday the 26th, while the sequences at MDZ Research were performed at a Welsh Government office at Cathays Park on Sunday the 29th. Mitch was dragged inside the TARDIS on Tyndall Street the next day, which was also when Jodie performed her 'glass ceiling' trailer and greeted nine-year-old fan Anna on the TARDIS set for the BBC's charity telethon *Children in Need*.

As the final wrap drew near, the series' stars met the press on Thursday 2 August, with former *Doctor Who* producer Philip Hinchcliffe also visiting the studios.

"Mesopotamia. That was the last word of dialogue to be filmed for this set of *Doctor Who* episodes, on set on Friday 3 August at Roath Lock Studios," said Chris Chibnall. "It felt a long way from the first yell of 'Action!' on Halloween last year." **DWM**

> **"The worst thing you can do is just repeat what's gone before. Doctor Who has lived this long because it's bold. Every era has been bold in its way."**

CHRIS CHIBNALL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TAKE: 2
DOCTOR WHO
DIR: JAMIE CHILDS
DOP: SAM HEASMAN
A477
SCENE 9/17
DATE 31ST MAY 18
PANAVISION